## **EAST Search History**

| Ref#       | Hits | Search Query          | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|------------|------|-----------------------|---|---------------------|---------|---------------------|
| S1         | 1295 | 310/366.ccls.         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/02/09<br>09:38 |
| <b>S</b> 2 | 2    | "200063980".pn.       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/02/09<br>09:45 |
| <b>S</b> 3 | 2    | "6794800".pn.         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/02/09<br>09:46 |
| S4         | 741  | 310/365.cds.          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/02/09<br>11:20 |
| S5         | 2052 | 310/340,344,348.ccls. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/02/09<br>11:20 |
| S6         | 2    | "6208026".pn.         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/02/09<br>14:08 |
| S7         | 1318 | 310/366.ccls.         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/07/27<br>08:52 |

| S8  | 764    | 310/365.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/27<br>08:52 |
|-----|--------|--------------------------------|---|----|----|---------------------|
| S9  | 2096   | 310/340,344,348.œls.           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/27<br>08:52 |
| S10 | 300742 | piezo\$                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/27<br>14:33 |
| S11 | 57620  | external near3 electrode       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/27<br>14:34 |
| S12 | 6766   | S10 and S11                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/27<br>14:34 |
| S13 | 64977  | injector near3 (fuel<br>valve) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/27<br>14:34 |
| S14 | 87     | S12 and S13                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/27<br>14:34 |
| S15 | 3928   | S10 and S13                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/27<br>14:41 |

| S16 | 666    | S15 and electrode  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/27<br>14:41 |
|-----|--------|--|---|----|----|---------------------|
| S17 | 9      | (US-20070040480-\$ or US-20060022558-\$ or US-20070295838-\$).did. or (US-6794800-\$ or US-7259504-\$ or US-6943482-\$ or US-6507140-\$ or US-6316863-\$ or US-7268473-\$).did. or (WO-2004004021-A-\$).did. | US-PGPUB;<br>USPAT;<br>DERWENT                                    | OR | ON | 2008/07/27<br>15:46 |
| S18 | 1      | S17 and caulk\$3   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/27<br>15:46 |
| S19 | 11     | 310/365,366.ccls. and caulk\$3   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/27<br>15:46 |
| S20 | 1332   | 310/366.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/10<br>10:26 |
| S21 | 779    | 310/365.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/10<br>10:26 |
| S22 | 2122   | 310/340,344,348.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/10<br>10:26 |
| S23 | 305563 | piezo\$  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/10<br>10:26 |

| S24 | 58592 | external near3 electrode       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/10<br>10:26 |
|-----|-------|--------------------------------|---|----|----|---------------------|
| S25 | 6888  | S23 and S24                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/10<br>10:26 |
| S26 | 65829 | injector near3 (fuel<br>valve) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/10<br>10:26 |
| S27 | 93    | S25 and S26                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/10<br>10:26 |
| S28 | 4044  | S23 and S26                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/10<br>10:26 |
| S29 | 695   | S28 and electrode              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/10<br>10:26 |
| S30 | 1341  | 310/366.cdls.                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/18<br>14:39 |
| S31 | 790   | 310/365.cdls.                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/18<br>14:39 |

| S32         | 2134   | 310/340,344,348.ccls.          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/18<br>17:27 |
|-------------|--------|--------------------------------|---|----|----|---------------------|
| S33         | 310763 | piezo\$                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/18<br>17:30 |
| S34         | 66771  | injector near3 (fuel<br>valve) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/18<br>17:30 |
| S35         | 4148   | S33 and S34                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/18<br>17:30 |
| S36         | 718    | S35 and electrode              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/18<br>17:30 |
| <b>S</b> 37 | 59661  | external near3 electrode       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/18<br>17:30 |
| S38         | 7015   | S33 and S37                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/18<br>17:30 |
| S39         | 95     | S38 and S34                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/18<br>17:30 |

| S40 | 1370   | 310/366.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/06/11<br>08:17 |
|-----|--------|--------------------------------|---|----|----|---------------------|
| S41 | 831    | 310/365.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/06/11<br>08:17 |
| S42 | 2198   | 310/340,344,348.ccls.          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/06/11<br>08:18 |
| S43 | 322366 | piezo\$                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/06/11<br>08:18 |
| S44 | 69083  | injector near3 (fuel<br>valve) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/06/11<br>08:18 |
| S45 | 4380   | S43 and S44                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/06/11<br>08:18 |
| S46 | 766    | S45 and electrode              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/06/11<br>08:18 |
| S47 | 62138  | external near3 electrode       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/06/11<br>08:18 |

| S48 | 7316 | S43 and S47   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | ON | 2009/06/11<br>08:18 |
|-----|------|---|---|----|----|---------------------|
| S49 | 102  | S48 and S44   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | ON | 2009/06/11<br>08:18 |
| S50 | 81   | ((schurz near2 willibald)<br>(simmet near2 martin)).<br>in. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | ON | 2009/06/11<br>08:50 |
| S51 | 583  | (piezo\$ and (contact<br>terminal) and \$ceramic).<br>clm.  | US-PGPUB  | OR | ON | 2009/06/11<br>09:09 |
| S52 | 2860 | 310/328.cds.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/06/11<br>11:06 |

## 6/11/2009 11:08:01 AM

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